

Appl. No. 09/883,995
In re Yamamoto, W.
Reply to Office action of July 16, 2003

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A cathode cartridge of a testing device for electroplating, said cathode cartridge comprising:

a plated base having a plated part acting as a negative plate;

a tabular cathode conductor having an open hole having the same shape as said plated part of said plated base, said cathode conductor having a plurality of a protruding portions that press contact to a peripheral part around said plated part, and which is able to connect with a direct current by an exposed portion thereof not soaked in plating solution;

a first elastic thin board covering a rear side of said plated base and having a recess into which said plated base is retained;

a tabular rear wall insulator covering both a back side of said ~~cathode conductor plated base~~ and a back side of said first elastic thin board, and having a recess into which said ~~cathode conductor plated base~~ and said first elastic thin board are retained;

a tabular front insulator having an open hole having the same shape as said plated part, said front insulator covering a front side of said cathode conductor and having a recess into which said cathode conductor is retained; and

a second elastic thin board having an open hole having the same shape as said plated part, said second elastic thin board is being sandwiched between said cathode conductor and said plated base, and has having a plurality of holes by which said protruding portions of said cathode conductor are guided for passing therethrough.

Claim 2 (previously amended): An anode cartridge of a testing device for electroplating, said anode cartridge comprising:

a tabular anode conductor arranged to let a front side of a cathode cartridge be opposed thereto, said anode conductor having an exposure part, which can be connected with direct current on a part which does not soak in plating solution;

a tabular first insulator that wraps a side of the anode conductor facing in the opposite direction of said cathode cartridge, and which has a hollow part into which said anode conductor is retained;

a tabular second insulator including an opened hole having a shape corresponding to a plated part, and covering a side of said anode conductor that faces said cathode cartridge.

Claim 3 (previously amended): The anode cartridge according to claim 2, wherein said second insulator is removably secured to one of said first insulator and said anode conductor.